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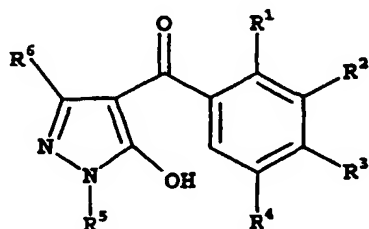
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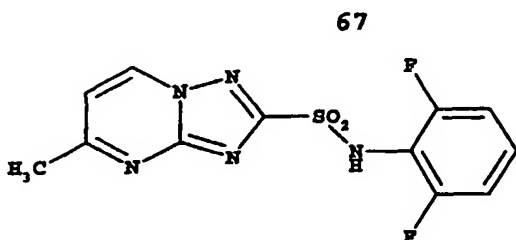
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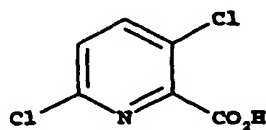
(54) Title: SYNERGISTICALLY ACTING HERBICIDAL MIXTURES



(I)



(IIa)



(IIb)

(57) Abstract: A synergistic herbicidal mixture comprising (A) at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I see paper version in which the variables have the following meanings: R<sub>1</sub>, R<sub>3</sub> are halogen, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, alkylsulfinyl or alkylsulfonyl; R<sub>2</sub> is an optionally substituted heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl; R<sub>4</sub> is hydrogen, halogen or alkyl; R<sub>5</sub> is alkyl; R<sub>6</sub> is hydrogen or alkyl; or one of its environmentally compatible salts; and (B) at least the compound of formula IIa see paper version or one of its environmentally compatible salts; and, if desired, or the compound of formula IIb see paper version or one of its environmentally compatible salts; in a synergistically effective amount; and, if desired, (C) at least one further herbicidal compound; in a synergistically effective amount. Compositions comprising these mixtures, processes for the preparation of these compositions, and their use for controlling undesired plants.